

# Welcome!

Replacement of Bridge M-10-006  
Florida Road over Assabet River  
Maynard, MA | Project File No. 608637

## DESIGN PUBLIC HEARING

Maynard Town Hall  
February 13, 2020 | 6:00 PM

# Agenda

- Welcome & Introductions
- Existing Conditions
- Project Goals
- Proposed Reconstruction
- Construction Staging
- Q & A

# Introduction

- MassDOT Project Manager: **John Fallon**
- MassDOT ROW: **Robin Giando**
- MassDOT District 3
- Design Consultant: **CME Associates, Inc. (A CHA Company)**
  - Project Manager: **Chris Wall, S.E.**
  - Civil Engineering Manager: **Chuck Eaton, P.E.**

# Project Team



## **Town of Maynard**

Responsible for Acquiring  
Right-of-Way (ROW)

## **CME Associates, Inc.**

Responsible for Design

## **MassDOT's Highway Division**

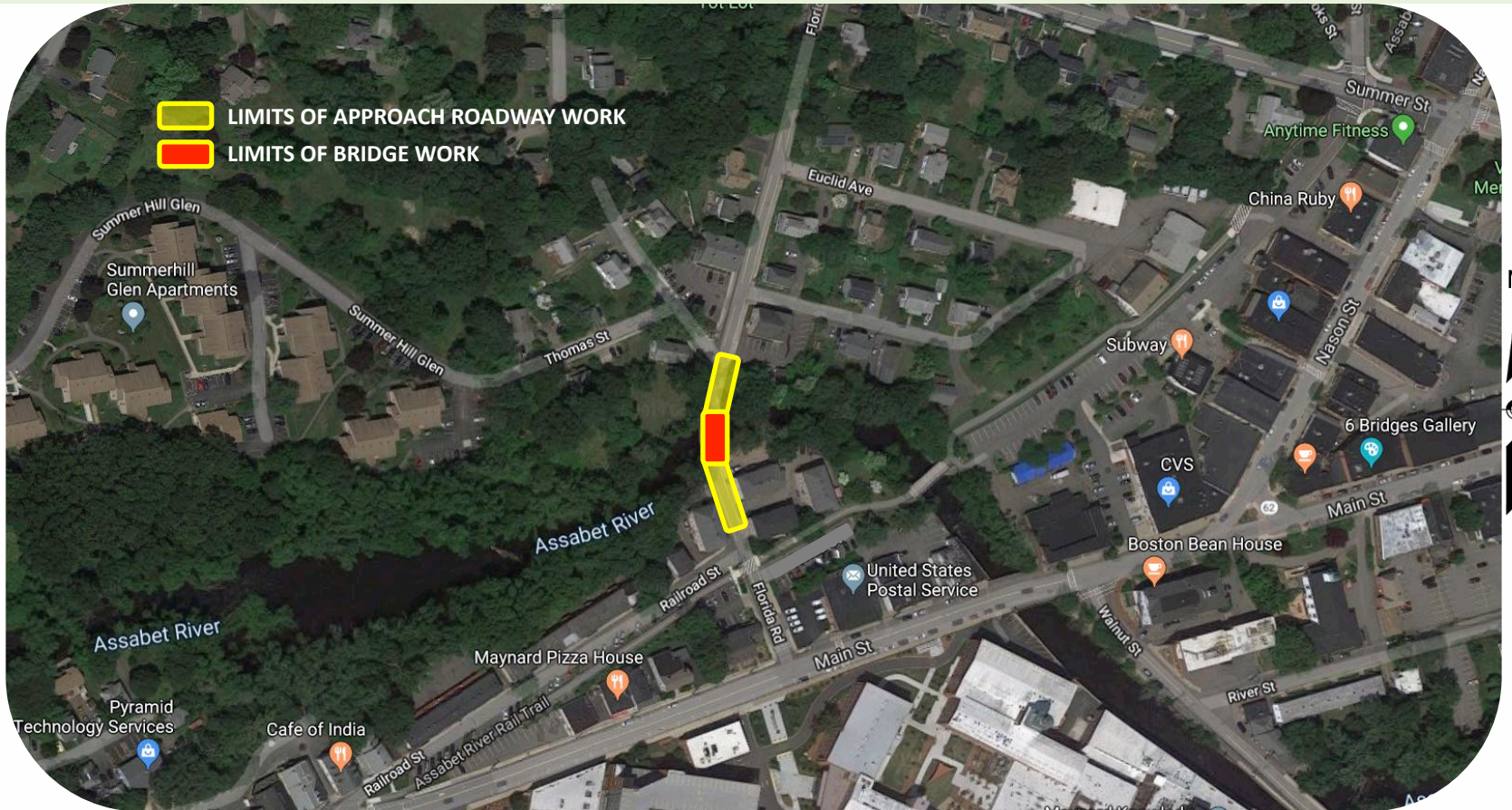
Responsible for administering the  
Design Process and providing  
Resident Engineer Services

## **Federal Highway Administration**

Responsible for Oversight



# Project Area



Florida Road over Assabet River  
Limits of Work

**Why do we need  
this project?**



# Existing Conditions

- Structurally Deficient Concrete Arch
- Barriers on Bridge Unsafe for Vehicular Impact
- Deteriorated Sidewalks with Small Curb Reveals
- Narrow Roadway/Shoulders
- Horizontal and Vertical Curves
- Poor Sight Distance



## Existing Conditions (cont.)





## Existing Conditions (cont.)





## Existing Conditions (cont.)



# Project Context

- Florida Road
  - Connection Between Main St. & Summer St.
  - Allows for Access to Florida Ct., Railroad St., Euclid Ave., and Lower Beacon St
  - Residential Area
  - Adjacent to Post Office
  - Crosses Assabet River Rail Trail
- Bridge
  - Originally Constructed in 1915
  - Crosses the Assabet River
  - Homes/Buildings at All Four Corners
  - Multiple Utilities Below and Overhead

# Getting to Today

- 2017
  - Notice to Proceed with Design
  - Traffic Counts
  - Material Testing
- 2018
  - Survey
  - Soil Borings
  - Hydraulic Report
  - Preliminary Structures Report
  - Bridge Type Selection Worksheet
- 2019
  - Meeting with Town Representatives
  - Geotechnical Report
  - 25% Submission (Highway & Bridge)
  - Preliminary ROW Plans
  - Utility Coordination Meeting
- 25% Design Public Hearing - Tonight



## Project Goals

- Structurally Deficient | Replace Entire Structure
- Unsafe Barriers | New Concrete Bridge Barriers
- Inadequate Sidewalks/Curbs | New Sidewalks with Standard Reveals
- Narrow Roadway/Shoulders | Widen Bridge to Provide Shoulders
- Horizontal & Vertical Curves | Improve Alignments
- Poor Sight Distance | Improve Layout

# The Proposed Bridge

- Replace Entire Structure
  - Two, 10'-0" Travel Lanes
  - Two, 4'-0" Shoulders
  - Concrete Deck
  - Steel Beams
  - Substructure/Foundations
- New Crash-Tested Railings & End Posts
- New Sidewalks with Standard Reveals
  - Two Concrete Sidewalks (5'-6" Wide)
  - 8" Curb Reveals on Bridge
  - 6" Curb Reveals at Approaches
- Improve Drainage Throughout Site
- Replace Sections of Water & Sewer Mains in Bridge Area
- Relocate Utility Poles and Overhead Wires

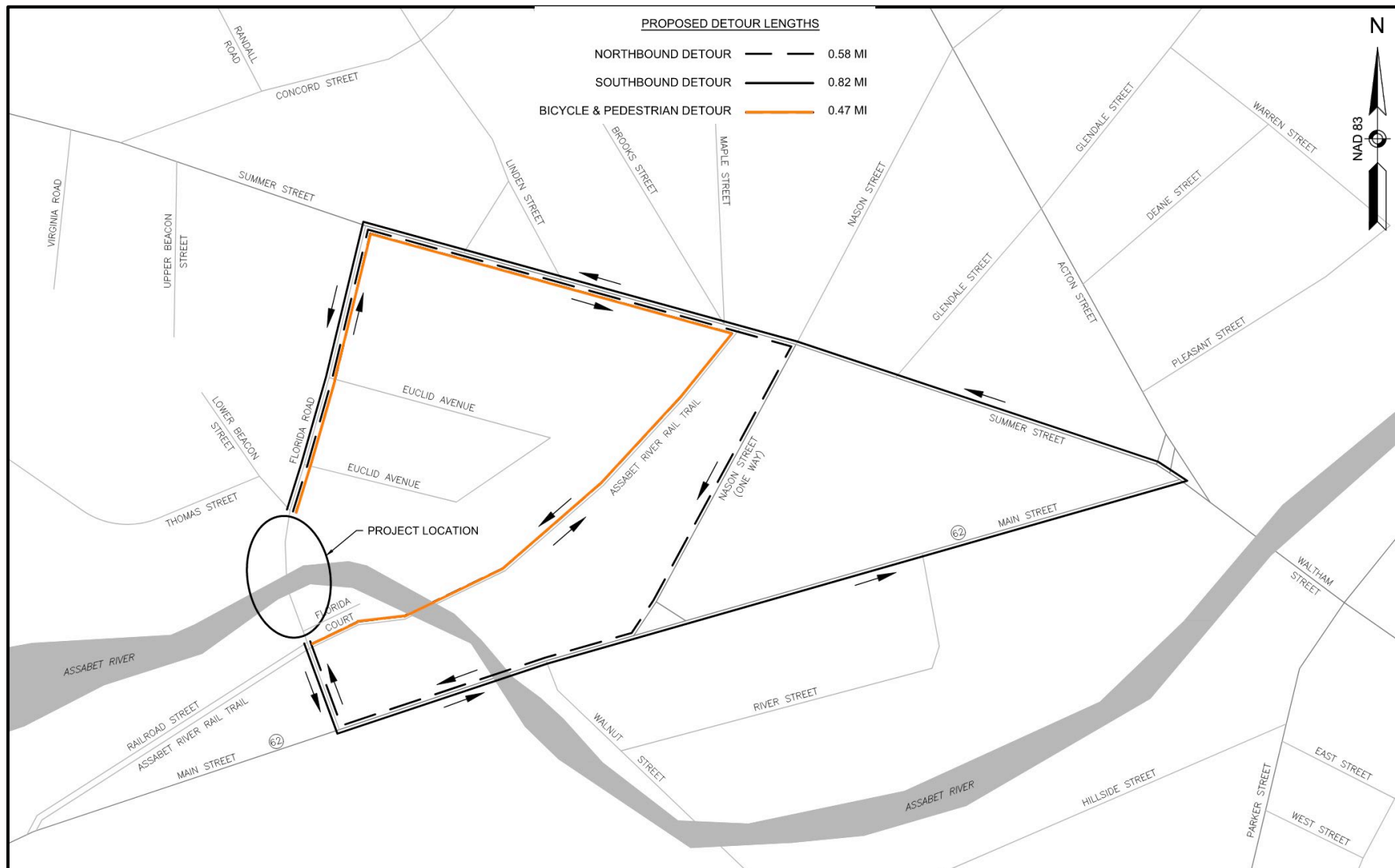
# How will traffic be affected?





# ALERT: Traffic Impacts

- Florida Road will be Closed at the Bridge Site During Construction
- Traffic Detour
  - Main Street
  - Summer Street
  - Nason Street (One Way)
- Bicycle & Pedestrian Access Maintained During Construction
  - Assabet River Rail Trail
  - Summer Street
- Abutter Access Maintained Throughout Construction



## **DETOUR PLAN**

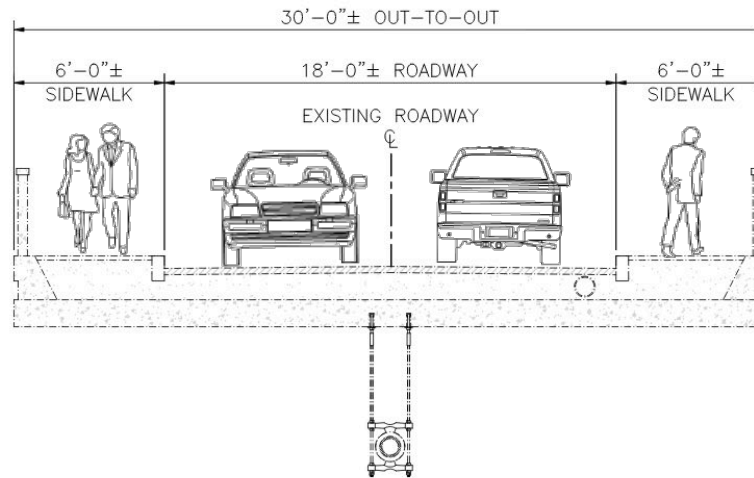
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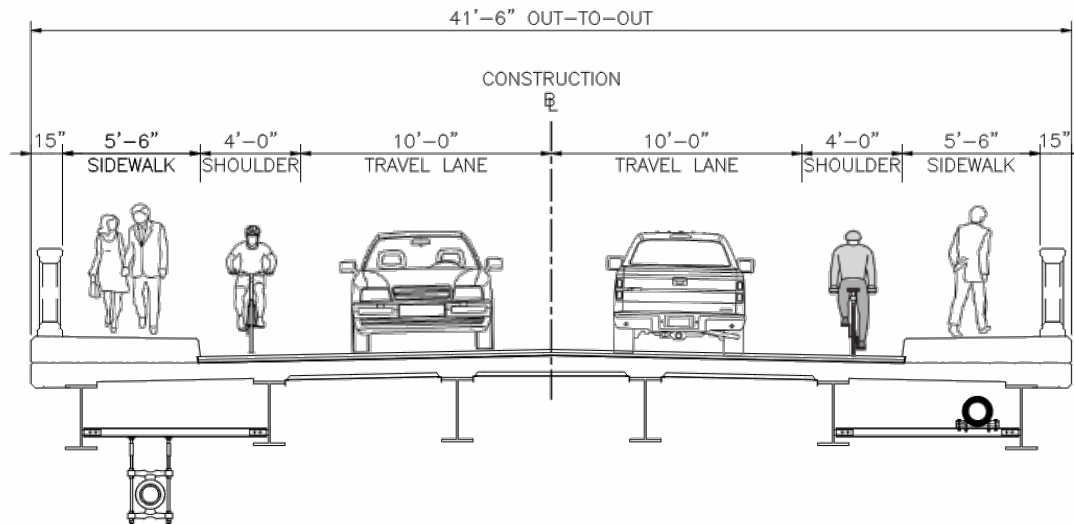
# Proposed Improvements



- Single Span Steel Beams
- Concrete Deck
- Concrete Bridge Railings
- New Roadway Pavement



EXISTING CROSS SECTION



PROPOSED CROSS SECTION

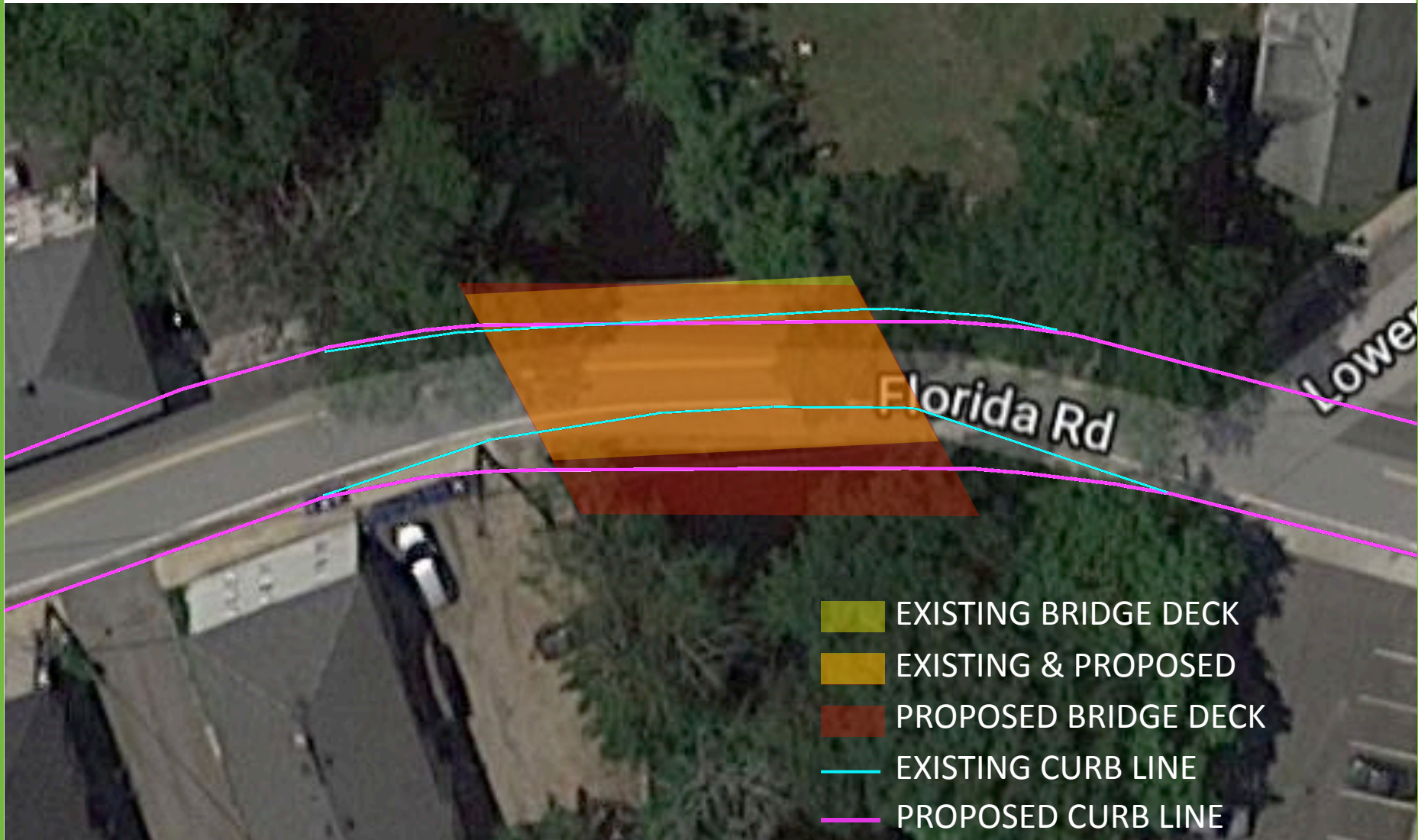




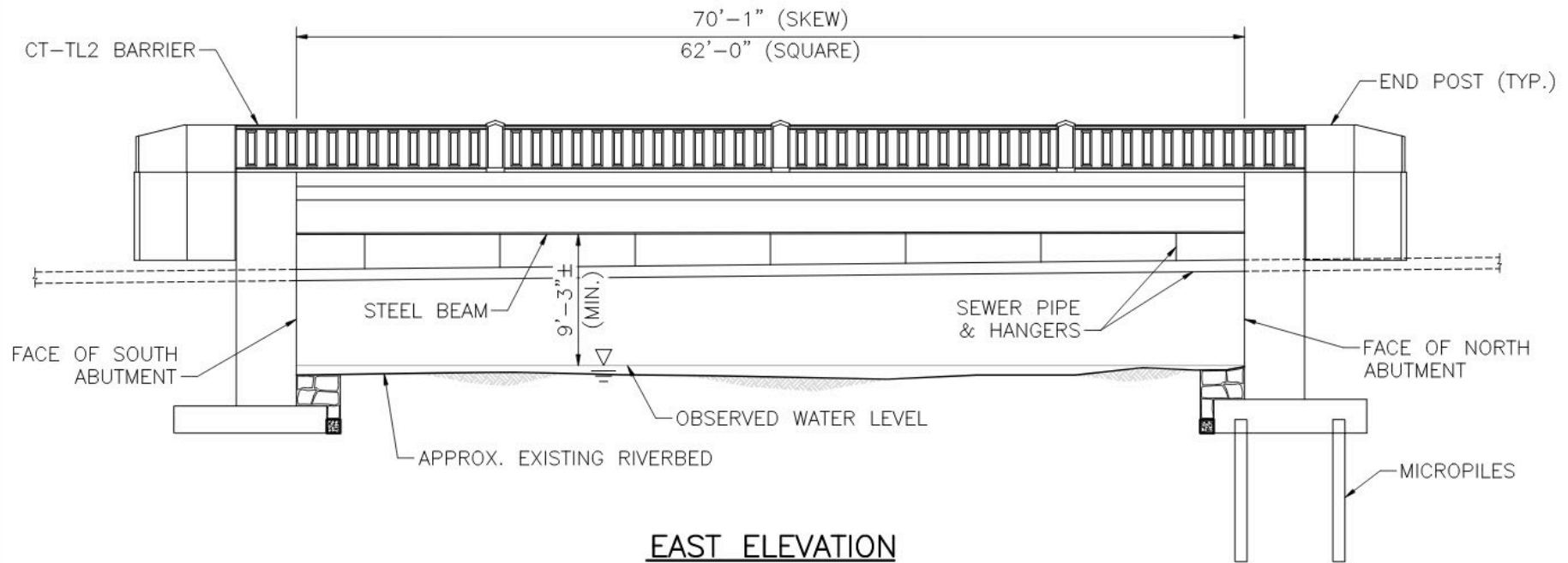
GENERAL PLAN

- EXISTING BRIDGE DECK
- EXISTING & PROPOSED
- PROPOSED BRIDGE DECK





**AERIAL PLAN**



# Environmental Permitting



- Section 401 MassDEP Water Quality Certification
- Section 404 USACE
- Section 106 – MHC
- NEPA – CE Checklist

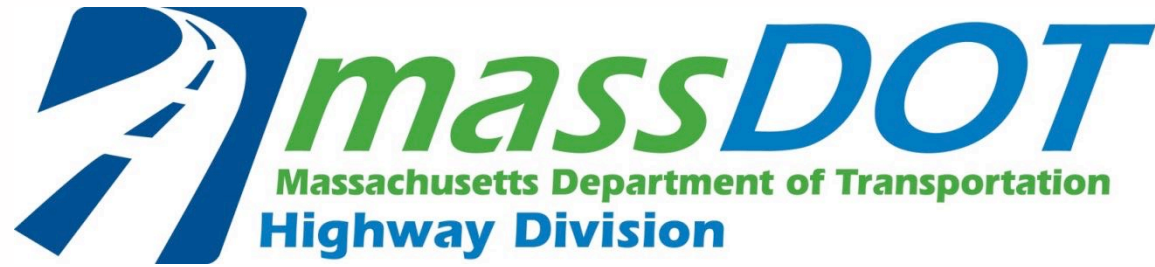
# Next Steps

- Address Public Hearing Comments (Next 30 Days)
- 75% Design Submittal (Spring 2020)
- Town Meeting (Spring 2020)
- 100% Design Submittal (Fall 2020)
- Advertise Construction Contract (Early 2021)
- Start Construction (Summer 2021)
- Anticipated Completion (Late 2022)

# Contact Information



- Provide:
  - Mail-in comment sheets (see handout)
  - John Fallon; [John.Fallon@state.ma.us](mailto:John.Fallon@state.ma.us); 857-368-9309



# **Thank You**

## **Q&A**

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